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ABRAM URBAN DISTRICT COUNCIL.

MEDICAL OFFICER'S ANNUAL REPORT, 1909.

Springfield House,

Abram,

January, 1910.

To the Chairman and Members of the Abram Urban District Council.

Gentlemen,

The Report I have to present to you on the health of your township for the year ending December 31st, 1909, is the most unsatisfactory one which has been presented since 1904. The Death Rate is higher, and the Birth Rate is lower, with the exception of the year 1907, and the number of notifications of dangerous Infectious Diseases received also higher. The main causes of the increased number of deaths are two in number, (1) the climatic conditions which have prevailed throughout the year, there having been an excessive amount of rain, and consequent diminution in the amount of sunshine. The effect of this in a district like ours, where the subsoil is practically all clay and of a cold, damp nature, has shown itself by the increased mortality from chest diseases, more particularly in the very young and the old; (2) The great increase in the number of fatal accidents, mainly made up of bodies recovered from the Maypole Colliery, the result of the explosion of last year.

I should also like to draw your attention to the fact that owing to the subsidence of the land, the result of Colliery workings, there is now more or less permanently a large and increasing area of land being flooded. This must have an effect on the health of the inhabitants.

I have estimated the population to be 7,200 at the middle of the year, and it is on these figures that I have based my calculations.

Deaths. 116 have been registered in the district, and 2 inhabitants of the district have died in institutions in Wigan, making a total of 118. This gives a mortality rate of 16.38 per thousand of a living population, which is 3.71 per thousand higher than the rate for 1908, but 2.58 per thousand lower than the average for the preceding 10 years. The ages at death are as follows:

Under 1 year	1 & under 5 years	5 & under 15 years	15 & under 25 years	25 & under 65 years	65 and upwards
28	17	2	5	43	23

If these figures are compared with those of last year you will note the increases in the Tables from birth up to 5 years, 45 as compared with 29, and in that of 65 years and upwards, 23 as compared with 14.

There have been 3 deaths in illegitimate children under 12 months old.

The Ward Distribution of Deaths is:

	Total Deaths	Rate per thousand of population	Deaths under 1 year
Abram Brow	46	21.00	12
Bamfurlong	32	13.30	6
Biekershaw	19	12.83	6
Plank Lane	21	18.68	4

The comparison of these figures with those for 1908 shows an increase in every Ward except Biekershaw. In this Ward the death rate is 2.10 lower than for the previous year. In Abram Brow Ward there is an increase of 5.48 (chiefly caused by the large number of deaths from accident and from the explosion at the Maypole Colliery, this Colliery being situated in this Ward). In Bamfurlong Ward there is an increase of 5.78, and in Plank Lane Ward an increase of 3.55.

Zymotic Death Rate. 11 deaths have occurred from the 7 principal Zymotic Diseases, being an increase of 2 over the previous year, and consisting of Measles 7, Diphtheria 1, Enteric Fever 2, and Diarrhœa 1. This equals a rate of 1.52 per thousand, which is .27 per thousand higher than last year.

The Ward distribution and the several rates per thousand of the living population of each ward are as follows:

	Deaths from Zymotic Diseases	Rate per thousand of population
Abram Brow	5	2.28
Bamfurlong	2	.83
Bickershaw	3	2.27
Plank Lane	1	.88

Births. 210 Births, 110 boys and 100 girls, have been registered during the year. These comprise 4 illegitimate births, 2 of each sex. The Birth rate is 29.16 per thousand, which is 2.51 per thousand lower than that of 1908, and 7.64 per thousand lower than the average for the previous 10 years.

The Ward distribution and the rate of per thousand of each ward is as follows:

	Boys	Girls	Total	Rate per thousand of population
Abram Brow	34	27	61	27.80
Bamfurlong	36	32	68	28.26
Bickershaw	23	30	53	35.8
Plank Lane	17	11	28	24.9
Total	110	100	210	29.16

On comparing these figures with those of the previous year, one finds that Bickershaw Ward is the only one to show an increased birth rate, the increase being 2.6 per thousand, while Abram Brow, Bamfurlong, and Plank Lane show decreases of 2.3, 1.82 and 10.6 per thousand respectively.

The illegitimate births comprise 2 boys in Abram Brow Ward, and 1 girl each in Bickershaw and Plank Lane Wards.

Notifications. There is a marked increase in the number received, viz., 89, as compared with 56 for the previous year. This increase is due for the great part to the increased number of Scarlet Fever cases notified, there being 53, as compared with 18, an increase of 35 cases. Enteric Fever, 4 cases notified, a decrease of 3. Erysipelas, 9 cases notified, a decrease of 1 over the previous year. Puerperal cases, 2 notified, a net increase of 2 over the previous year.

1 case of Phthisis has been notified. This is the first time this disease has been notified, and is in accordance with the New Regulations of the Local Government Board affecting Union patients. Diphtheria cases notified are 1 less than in the previous year, 20, as compared with 21.

The Ward distribution of Infectious Diseases is as follows:

	Abram	Brow	Bamfurlong	Bickershaw	Plank Lane	Total
Scarlet Fever	13		18	20	2	53
Diphtheria	9		4	7	–	20
Enteric Fever	2		1	–	1	4
Erysipelas	3		3	1	2	9
Puerperal Fever	–		1	1	–	2
Phthisis	–		1	–	–	1
Total	27		28	29	5	89

All the Wards, with the exception of Plank Lane, have participated in the increased number of cases of Scarlet Fever notified, this being most marked in Bickershaw Ward.

As I have remarked several times in my monthly reports, there is no doubt that infection occurs in the various schools attended. This fact has been repeatedly demonstrated, and I should like to draw the attention of the Head teachers to this fact. There seems to be too great a tendency on the part of the school authorities to insist upon the attendance at school of children who are not in good health, for even if the children are not actually sickening for any specific disease, their power of resistance to disease is lowered, and consequently there is greater liability to contract some infectious disease.

Of the infectious diseases notified, 52 cases were removed to the Isolation Hospital. These consisted of Scarlet Fever 45, Enteric Fever 3, and Diphtheria 4. With regard to the latter cases, we do not generally admit this class into the Hospital, but these 4 cases occurred in one house (the father and 3 children), and the mother not being in a condition to nurse them, the Hospital at the time being free from Enteric Fever cases, after consultation with the Chairman of the Hospital Committee, it was decided to admit them.

Periodicity and General Remarks on Diseases prevalent throughout the year.

Scarlet Fever. This disease has been prevalent throughout the year with the exception of the months of January and February, but more particularly so in March, June, October, and December. There have been no deaths from this disease.

Diphtheria, including Membranous Croup. Present more or less throughout the year, but more particularly in the months of April, June and December. One, a case of Membranous Croup in a child in Bickershaw Ward, terminated fatally in April, and in December 4 cases occurring in one house, were removed to Hospital. Abram Brow Ward has the greatest number of cases, viz., 9, being closely followed by Bickershaw Ward with 7.

Enteric Fever. 4 cases of this disease have occurred, and of these 3 were removed to Hospital; Abram Brow has 2, Bamfurlong and Plank Lane 1 each. Of the cases in Abram Brow Ward both were from the same house at different times and different families. Both were removed to Hospital, and terminated fatally. There is no doubt that the second of these cases was infected before the person removed into the house.

Small-pox. The district has been free from this disease.

Puerperal Fever. 2 cases of this disease have occurred, 1 in January and 1 in April; both cases terminated fatally.

Erysipelas. There have been no deaths from this disease. 9 cases were notified, and were spread over the district.

Whooping Cough. This disease was very prevalent in the first quarter of the year, more particularly in Bickershaw Ward, in fact it was so pronounced that it was deemed advisable to close the Infant department of the Abram Colliery Schools for a period of 4 weeks. There were no fatal cases.

Measles. This disease was very prevalent in May, June, July, and August, more particularly in the Warrington Road portions of Abram Brow and Bamfurlong Wards. This affected the younger children, those between 4 and 6 years of age more particularly, and the Infant department of the St. John's School was closed for a period of 2½ weeks as a consequence.

7 deaths occurred as a result of Measles, giving a rate of .907 per thousand of a living population.

Diarrhœa. There was comparatively little of this disease, which is attributable to the cold summer experienced. 1 death only occurred, and this in a child in Plank Lane Ward.

Phthisis. 3 deaths from this disease, the same number as last year, 1 each in Bamfurlong, Bickershaw, and Plank Lane Wards. The death rate is equal to .41 per thousand of a living population. Other Tubercular diseases have caused 2 deaths, 1 each in Bickershaw and Plank Lane Wards.

Cancer. 2 deaths from this disease, one less than last year, giving a mortality rate of .27 per thousand.

Respiratory Diseases, consisting of Pneumonia and Bronchitis have caused 31 deaths, 20 from the former, and 11 from the latter disease. This gives a rate of 4.30 per thousand, and is evidence of the severity of the weather experienced. It is in the extremes of life that these diseases have been most fatal, there being 10 deaths in children under 1 year, and 9 in persons of 65 years and upwards. These cases are almost equally distributed throughout the district, Abram Brow Ward having 9, Bamfurlong 8, and Bickershaw and Plank Lane Wards 7 each.

Heart Diseases. 9 deaths from these diseases, being 2 less than last year. The mortality rate is 1.25 per thousand.

Venereal Diseases. Nil.

Premature Births have occasioned 2 deaths. This is 2 less than the previous year.

Accidents. 22 deaths have been registered as the result of accidents. This is 13 more than last year; this increased number being due to the recovery of 15 bodies from the Maypole Colliery. The summary of these deaths is:

Mine Accidents	17
Drowning	2
Scalding	1
Bus Accident	1
Falling downstairs	1

The localities of these cases are:

Abram Brow	16
Bamfurlong	1
Bickershaw	2
Plank Lane	3

Deaths from all other causes number 30:

Abram Brow	11
Bamfurlong	10
Bickershaw	3
Plank Lane	6

Uncertified deaths number 4. This is 2 less than last year.

The Factory and Workshops Acts. I have visited the bakehouses in the district, and beyond a little laxity in limewashing they have been found satisfactory.

The workshops have been inspected.

The premises consist of:

Bakehouses	7
Workshops	11
Workplaces	9
	27

Dairies and Cowsheds. These continue to be generally satisfactory. Three premises have been redrained, and improved lighting and ventilation obtained for another shippon. At Scotson's Farm townswater has been connected, the previous tenant not being a cowkeeper.

The slaughter-house mentioned as being built in my last annual report, is completed, and is being used. Regular inspections have been made, and everything found quite satisfactory. After recommendation the byelaws for private Slaughter-houses have been adopted by the Council.

Careful watch has been kept on the various hawkers of food stuffs, but there has been no occasion to adopt stringent measures.

The Midwives Act. The working of this Act has been carried out satisfactorily during the year.

Owing to removals, there are now 4 certified Midwives living in the district, but of course others come in from the neighbouring districts.

The District Nurse has again done good work during the year. She has paid 3637 visits, in the various parts of the district.

The Water Supply has again been plentiful, and the consumption per head for domestic purposes is slightly on the increase. Various samples of the water have been taken throughout the district for analysis, and all pronounced excellent. Several of the samples, however, showed traces of lead, and the attention of the Liverpool Corporation (from whom the water is obtained) was at once drawn to this. Immediate steps were taken to try and prevent it. There is no doubt that with water of a soft character like the Rivington supply, there is the possibility of lead being taken up where the lead service pipes have to be frequently repaired.

I beg to be, Gentlemen,

Your obedient Servant,

A. O. BENTHAM,

Medical Officer of Health.

TABLE I.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1909 AND PREVIOUS YEARS.

DISTRICT OF ABRAM.

Year	Population estimated to Middle of each Year	Births		Total Deaths Registered in the District				Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Nett Deaths at all Ages belonging to the District.	
				Under 1 Year of Age		At all Ages						
		Number	Rate*	Number	Rate per 1000 Births regist'd	Number	Rate*				Number	Rate*
1	2	3	4	5	6	7	8	9	10	11	12	13
1899	5175	235	45·4	57	242	111	21·40	...	...	...	111	21·40
1900	5277	252	47·7	57	230	145	27·40	...	...	...	145	27·40
1901	6325	248	39·2	56	225	164	25·92	...	...	5	169	26·71
1902	6409	246	38·3	43	178	120	18·72	...	...	4	124	19·34
1903	6556	270	41·0	56	207	143	21·81	...	...	7	150	22·87
1904	6660	205	30·7	41	200	123	18·40	2	...	5	128	19·20
1905	6820	233	34·1	38	163	96	14·07	1	...	4	100	14·60
1906	7169	238	33·19	31	130	84	11·20	...	...	6	90	12·50
1907	7160	192	26·81	28	145	88	12·29	4	...	5	93	12·98
1908	7180	227	31·61	23	101	87	12·11	3	...	4	91	12·67
Averages for years 1899-1908	6473	234	36·80	43	182	116	18·33	...	...	...	120	18·96
1909	7200	210	29·16	28	133	116	16·1	2	...	2	118	16·38

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in Acres (exclusive of area covered by water) ... 1982.

Total population...	6306	At Census of 1901.
Number of inhabited houses	1116	
Average number of persons per house	5·65	

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other institutions, the deaths in which have been distributed among the several localities in the District.
Nil.	Wigan Union Hospital Wigan Infirmary	Abram Sanatorium.

Is the Union Workhouse within the District? No.

TABLE II.

Vital Statistics of separate Localities in 1909 and previous years. Urban District of Abram.

Names of Localities.	Whole District.				Abram Brow Ward.				Bamfurlong Ward.				Bickershaw Ward.				Plank Lane Ward.			
Year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to the middle each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year	Population estimated to middle of each year	Births registered	Deaths at all ages	Deaths under 1 year
1899	5175	235	111	57	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1900	5277	252	145	57	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1901	6325	248	169	56	1752	...	...	...	1985	...	...	...	1420	...	...	..	1144	...	...	...
1902	6409	246	124	43	...	...	35	...	...	...	45	...	...	...	20	...	...	...	24	...
1903	6556	270	150	56	...	...	35	22	...	...	37	13	...	...	32	10	...	...	46	11
1904	6660	205	128	41	...	...	38	12	...	...	30	8	...	...	34	13	...	...	26	8
1905	6820	233	100	38	2128	...	41	21	2139	...	24	11	1467	...	20	2	1086	...	15	4
1906	7169	238	90	31	2192	69	36	14	2373	71	21	8	1480	57	18	5	1124	41	15	4
1907	7160	192	93	28	2190	53	24	7	2373	69	30	11	1473	42	19	3	1124	28	20	7
1908	7180	227	91	24	2190	66	34	10	2393	72	18	5	1473	49	22	7	1124	40	17	2
Averages of Years 1899 to 1908.	6473	234	120	43	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1909	7200	210	118	28	2190	61	46	12	2406	68	32	6	1480	53	19	6	1124	28	21	4

TABLE III.

Cases of Infectious Disease notified during the Year 1909. District of Abram.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY				NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.				5	6
	At all Ages	At Ages—Years.						1	2	3	4	1	2	3	4	Total Cases removed to Hospital.	Deaths in Hospital of Patients removed from this District.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Abram Brow	Bamfurlong	Bickershaw	Plank Lane	Abram Brow	Bamfurlong	Bickershaw	Plank Lane		
Diphtheria (including Membranous Croup) ...	20	...	4	9	3	4	...	9	4	7	...	4	...	...	...	4	
Erysipelas	9	2	...	1	...	4	2	3	3	1	2	..	...	...	...		
Scarlet Fever	53	...	9	39	5	...	...	13	18	20	2	11	12	20	2	45	
Enteric Fever	4	...	...	...	2	2	...	2	1	...	1	2	...	...	1	3	2
Puerperal Fever	2	...	...	...	1	1	...	...	1	1	...	...	...	..	...		
Phthisis	1	...	...	...	...	1	...	...	1	...	...	...	...	..	...		
Totals	89	2	13	49	11	12	2	27	28	29	5	17	12	20	3	52	2

Isolation Hospital—Name and Situation—Sanatorium, Park Lane, Abram. Total available beds, 8
Number of Diseases that can be concurrently treated, 2.

TABLE IV.

Causes of, and Ages at, Death during Year 1909. District of Abram.

Cause of Death	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.							Deaths at all ages of "Residents" belonging to localities, whether occurring in or beyond the District				Total Deaths whether of "Residents" or "non-Residents" in Public Institutions in the District
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Abram Brow Ward	Bamfurlong Ward	Bickershaw Ward	Plank Land Ward	
	2	3	4	5	6	7	8	9	10	11	12	13
Measles	7	1	4	2	...	...	...	3	2	2	...	...
Diphtheria (including Membranous croup)	1	...	1	...	...	...	...	...	...	1	...	...
Fever—Enteric	2	...	...	...	..	2	...	2	.	...	...	2
Epidemic Influenza	1	...	...	...	1	...	...	...	1	...	...	...
Diarrhœa	1	...	1	...	...	...	...	...	...	...	1	...
Enteritis	3	2	1	...	...	...	...	...	3	...	...	...
Puerperal Fever...	2	...	...	...	1	1	...	...	1	1	...	..
Phthisis (Pulmonary Tuberculosis) ...	3	...	...	...	...	3	...	...	1	1	1	...
Other tubercular diseases	2	...	1	...	1	...	...	...	...	1	1	...
Cancer, malignant disease	2	...	...	...	...	2	...	..	2	...	...	...
Bronchitis	11	2	...	...	...	3	6	3	3	1	4	...
Pneumonia	20	8	6	...	...	3	3	6	5	6	3	...
Premature birth	2	2	...	...	...	...	...	2	...	...	...	...
Heart diseases	9	1	...	...	...	6	2	3	3	1	2	...
Accidents	22	...	1	...	1	19	1	16	1	2	3	...
All other causes	30	12	2	...	1	4	11	11	10	3	6	...
All causes	118	28	17	2	5	43	23	46	32	19	21	2

A. O. BENTHAM, *Medical Officer of Health.*

January 6th, 1910.

TABLE V.

District of ABRAM.

INFANTILE MORTALITY DURING THE YEAR 1909.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.		Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year.
All Causes.	Certified	6	1	..	3	10	3	3	2	1	1	2	2	...	1	2	1	28
	Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases—Measles		...	...	...	...	..	...	...	...	...	...	...	...	...	...	1	...	1
Diarrhœal Diseases—Enteritis		...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	2
Wasting Diseases	Premature Birth	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
	Injury at Birth	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
	Atrophy, Debility, Marasmus ...	1	...	..	2	3	1	...	...	...	...	..	...	...	...	...	...	4
Other Causes	Meningitis *not tuberculous* ...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
	Convulsions	...	1	...	...	1	...	...	...	1	...	...	...	...	...	...	...	2
	Bronchitis	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2
	Pneumonia	...	...	...	1	1	1	3	...	...	...	1	1	...	...	1	...	8
	Other Causes	2	...	...	...	2	...	...	...	...	...	...	1	...	1	...	1	5
	Totals	6	1	...	3	10	3	3	2	1	1	2	2	...	1	2	1	28

Population (Estimated to middle of 1909.) 7200

Births in the year { legitimate 206; illegitimate 4 }

Deaths in the year of { legitimate infants 25; illegitimate infants 3 }

Deaths from **all Causes at all Ages, 118.**

Annual Report of the Medical Officer of Health for Year 1909, for the Urban District of Abram,

On the administration of the Factory & Workshop Act, 1901, in connection with Factories, Workshops, Workplaces, & Homework.

1.—INSPECTION of Factories, Workshops and Workplaces.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises	No. of Inspections.	No. of Written Notices.	No. of Prosecutions.
Workshops (including Workshop Laundries)	20	...	...
Workplaces (other than Outworkers' premises included in Part 3 of this Report)	11	...	...
Total	31	...	...

2.—DEFECTS FOUND in Factories, Workshops & Workplaces.

	Number of Defects			
	Found.	Remedied.	Referred to H.M. Inspector.	No. of Prosecutions.
Other nuisances	2	2	...	...
Total	2	2	...	...

3.—HOME WORK.

	Addresses of Outworkers. Received from other Councils.		Inspections of Outworkers' premises.
Wearing Apparel, (1) making, &c.	...	2	...	2
Total		2	...	2

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.

		Number.
Bakehouses	... ...	7
Workshops:	Tinsmith	1
	Blacksmith	1
	Wheelwright	1
	Cloggers	8
Workplaces:	Dressmakers	5
	Baby linen	2
	Stocking Knitter	1
	Tailor	1
Total number of workshops on Register		27

January 19th, 1910.

A. O. BENTHAM,
Medical Officer of Health.

TABLE (C).

COUNTY OF LANCASTER.

Summary of Medical Officer's Report for 1909.

Urban District of Abram.

Area in Statute Acres, 1982. Population (Census) 1901, 6306; Population (Estimated), 1909, 7200.

Name of Medical Officer of Health: A. O. Bentham. Salary: £40.

Births registered: Male, 110; Female, 100. Total 210.

Deaths registered: Male 74. Female 44. Total 118.

Number of Illegitimate Births registered: 4. Deaths of Illegitimates under one year of age: 3.

Birth Rate, 29.16. Death Rate, 16.38. Rate of Infant Deaths under 1 year, to 1,000 Births: 133.

Death Rate from the † seven principal epidemic Diseases per 1,000 of population: 1.52.

Diseases Prevalent: 1, Scarlet Fever; 2, Whooping Cough; 3, Measles. Period: 1, March June, October, December; 2, First quarter of year; 3, May, June, July, August.

What Action taken? Isolation and Fumigation. Any Schools Closed? Yes, 2. If so, for what disease? 1, Whooping Cough, 2, Measles.

What is the character of the Hospital Accommodation? For Small-pox, Corrugated iron building; For other Infectious Diseases: Isolation Hospital.

Is it Joint or otherwise? Not joint.

Number of Beds available for your District? For Small-pox 4; For other Infectious Diseases, 8.

Number of cases removed from your District? Smallpox, 0 Diphtheria 4, Scarlet Fever 45, Enteric Fever 3. Total 52.

Deaths in Hospital of patients from your District: From what causes? 2, Enteric Fever.

How is Disinfection carried out? Houses: Sulphur Fumigated. Clothing, Bedding, &c.: Steam Disinfector. Apparatus used? Manlove, Alliot and Co. Where situated? Isolation Hospital yard.

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† Small-pox, Scarlet Fever, Diphtheria and Membranous Croup; Fever—Typhus, Enteric, and Continued; Measles; Whooping Cough and Diarrhœa.

Number of cases of Infectious Disease reported under the Notification Act? 89.

Are any Diseases not specifically mentioned in the Act notifiable (for instance, Measles, Whooping Cough, Diarrhœa, Chicken Pox, &c.)? If so, what are they? No.

Has any arrangement been made for the "voluntary" notification of Phthisis No.

Is Diphtheritic Anti-Toxin supplied to Medical Practitioners free of charge Yes.

Action taken under "The Housing of the Working Classes Acts."	No. of Houses condemned? Nil. Closed? Nil. Demolished? Nil. Made habitable? Nil.
From where is the Water Supply obtained? What is its condition?	Liverpool Corporation (Rivington). Good.
Is it subject to your inspection?	Yes.
Is Scavenging carried out satisfactorily?	Yes.
How performed:—By Sanitary Authority, Contract, or Occupiers of Houses?	Two-thirds by Council, one-third by Contract
How is the Refuse disposed of? Has a Destructor been provided?	On special tips. No.
What is the character of Drainage and the form of Sewage Disposal?	As before described.
Canal Boats: Nnmber Inspected?	48. No. of infringements of Acts? 7.
What is the condition of the Bakehouses?	Generally satisfactory.
,, Slaughter Houses?	Good, only one , newly built. Has a public Abattoir been provided? No.
,, Lodging Houses?	Nil. Are they Registered?
What is the sanitary condition of the Schools?	Generally good, two out of four have unpaved yards, and paving would greatly improve them.
Dairies, Cowsheds, and Milkshops—	
Are they periodically inspected?	Yes. What is their condition? Generally satisfactory.

Have Regulations been made under the order of the L.G.B.?	Yes. Are they enforced? Yes.
Amount of air space in cubic feet required for each cow?	500 Cubic Feet.
No. of Cowkeepers?	31. No. on Register? 31.
No. of Dairymen or Purveyors of Milk (other than Cowkeepers)?	Nil. No. on Register? Nil.
Food unfit for Human Consumption: Amount seized?	20 lbs.
Department of Inspector of Nuisances	No. of Notices served? 98. Nuisances remedied? 335. No. of Legal Proceedings taken and result? Nil.
Closet accommodation of the District	No. of Privy Middens? 1129. Pail Closets? 19. Fresh Water Closets? 133. Waste Water Closets? 2. No. of Privy Middens converted during 1909 to w.c.'s? 8.
Smoke	No. of Observations? 6. No. of Legal Proceedings taken and result? Nil. What is the time limit allowed for the emission of black smoke per hour? No time limit fixed.
Has the Authority adopted—	"The Infectious Disease (Prevention Act, 1890"? No. "The Public Health Acts Amendment Act, 1907 Yes. "The Public Health Acts Amendment Act, 1890"? Yes. "The Notification of Births Act, 1907"? No.
Has a Health Visitor been appointed?	No.
Notable sanitary improvements during 1909	New 9 in. sewer, Bamfurlong; cleansing Borsdane brook, flagging back yards.
Chief Sanitary requirements of District	Prevention of flooding of Common Lane and Houghton Cote Roads; Conversion of privy middens into water closets; Improved method of scavenging.

NUISANCE INSPECTOR'S ANNUAL REPORT.

January, 1910.

To the Chairman and Members of the Abram Urban District Council.

Gentlemen,

I beg to give below a summary of the work carried out in the Inspector of Nuisances and Sanitary Department for the year ending December 31st, 1909.

Stopped drains opened and cleaned		62
Drains taken up and re-laid or renewed		32
Premises re-drained and connected to main sewer ...		2
Premises re-drained and connected to cesspools ...		3
Deep wet ashpits rendered dry		1
Leaking and defective ashpits and closets repaired ...		15
Dry Ashpits built		2
Water closets, new	27	
Water closets converted from privies ...	8	
	—	35
Water closets and urinal repaired		6
Shippons supplied with townswater		1
Back passages cleaned and ashed		26
Paving back yards		26
Defective slop-pipes, waste pipes and ventilation shafts		6
Downspouts disconnected from drains		11
Keeping pigs as a nuisance		2
Poultry and pigeons removed from house yards ...		2
Defective spouts, roofs, &c.		4
Overcrowding		2
Houses limewashed		52
Dirty premises and foul privies		42
Accumulation of manure and filth		3
Total		335

98 Notices were served in addition to letters and verbal intimation.

Two additional ventilators to the main sewer have been erected, and a new length (about 400 yards) of 9in. sewer laid at Bamfurlong.

Sewage Disposal Works. All the samples of Sewage effluent taken by the Mersey and Irwell Inspector have again been very good, and the works are in every way very satisfactory.

Factory and Workshops Act, 1901.

Workshops:		
Blacksmith	1	
Wheelwright	1	
Tinsmith	1	
Cloggers	8	
	—	11
Workplaces:		
Dressmakers	5	
Baby Linen	2	
Stocking Knitter	1	
Tailor	1	
Clogger and Shoemaker ...	–	
	—	9
Bakehouses		7
		—
	Total	27
		—

Disinfection. Seventy-four houses and five schools have been fumigated, and the following articles passed through the disinfector.:

Beds	61
Bolsters and Pillows	113
Covers	100
Sheets	50
Blankets	85
Quilts	85
Shawls	17
Dresses	30
Underclothing	84
Caps and Bonnets	30
Trousers, Jackets, and Waistcoats ...	64
Pinafores	10
Sundry small articles	129
Total	858

Nightsoil. This work has been carried out generally satisfactorily.

The house gullies have been cleaned and disinfected.

New Property. Ten new houses, one shop, one stable, one slaughter-house, and Bryn Gates New Council School, have been completed during the year.

I beg to be, Gentlemen,

Your obedient Servant,

WM. H. ROBY,

Inspector of Nuisances.